Applicant:

Filed:

Keith R. Slavin Application No.: 09/911,757 July 23, 2001

EXPRESS MAIL LABEL NO. EV669635923US

Docket No.: MIC-2 Confirmation No.: 5003

For: SUPPRESSION OF RINGING ARTIFACTS DURING IMAGE RESIZING

Attorney: Evelyn C. Mak - Reg. No. 50,492



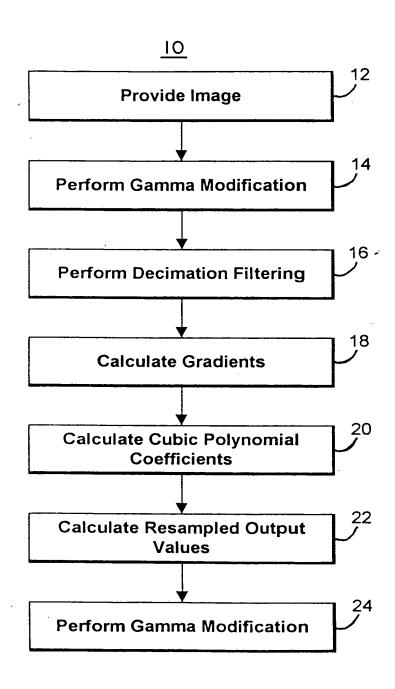
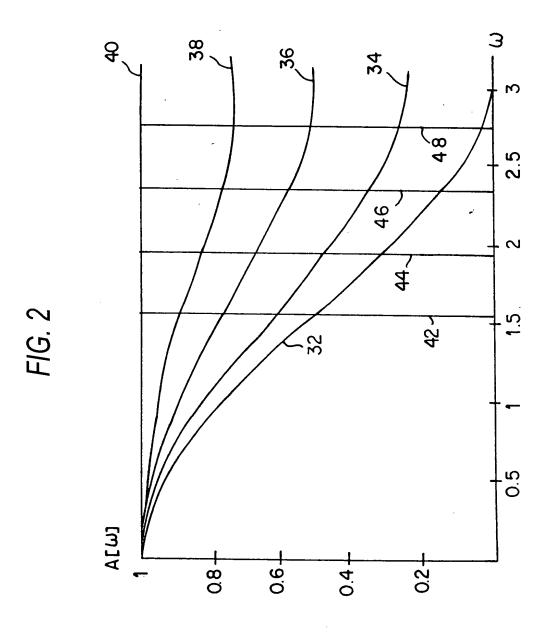


FIG. 1

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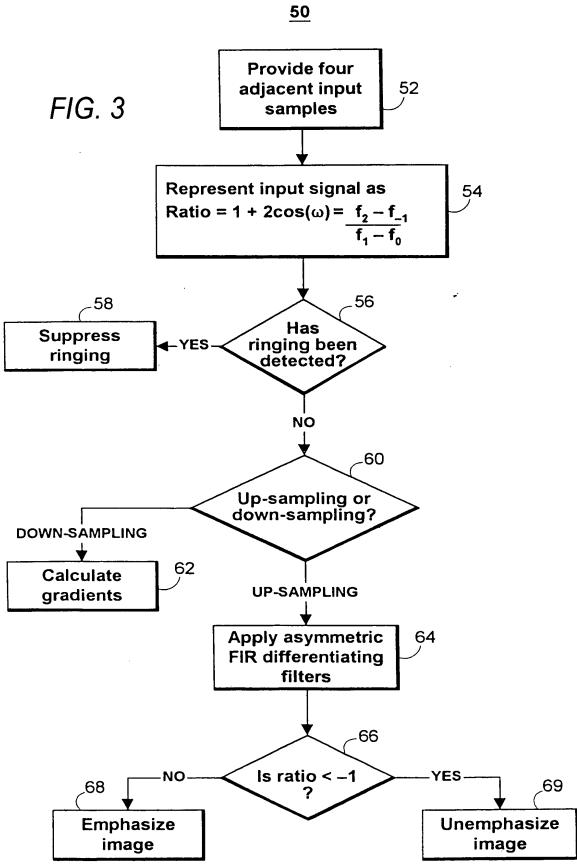
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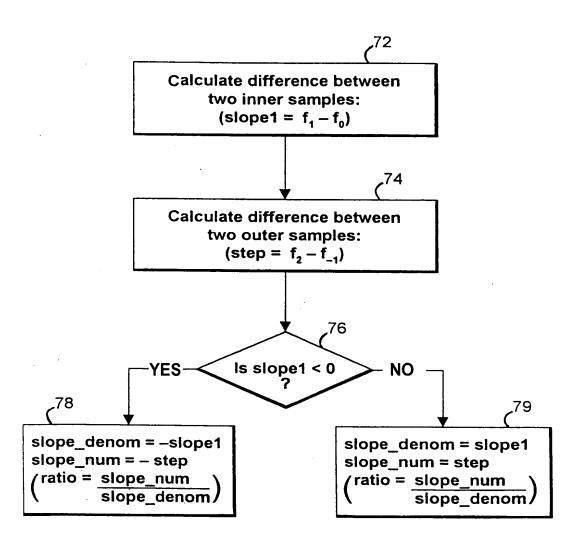


FIG. 4

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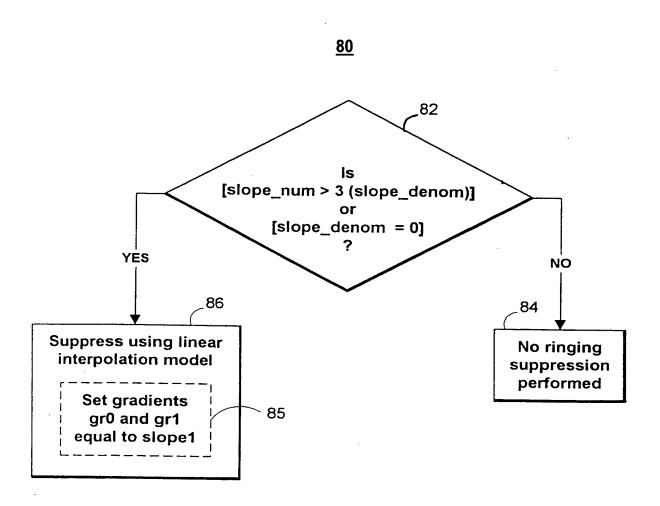
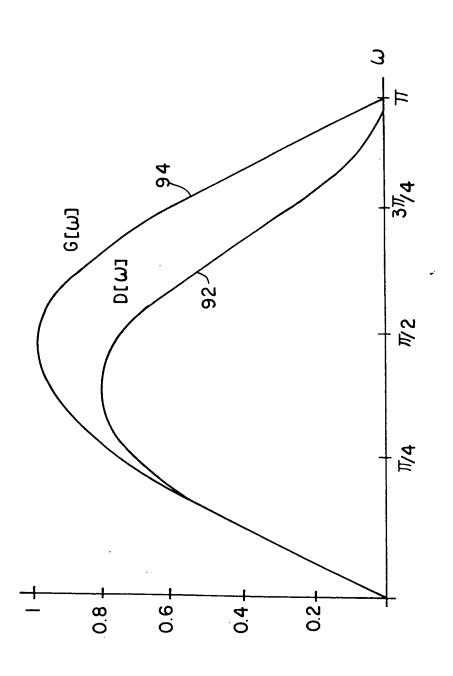


FIG. 5

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FIG. 7 700-**Processor** Calculate difference between two inner samples:  $(slope1 = f_1 - f_0)$ Calculate difference between two outer samples:  $(step = f_2 - f_{-1})$ ls slope1 < 0 YES -NO slope\_denom = -slope1 slope\_denom = slope1 slope\_num = - step slope\_num = step ratio = slope\_num ratio = slope\_num slope\_denom/ slope\_denom/ [slope\_num > 3 (slope\_denom)]  $[slope\_denom = 0]$ YES NO Suppress using linear No ringing interpolation model suppression performed Set gradients gr0 and gr1 equal to slope1